

Title (en)

Apparatus for recording and reproducing video signals with preemphasis and deemphasis processes.

Title (de)

Vorrichtung zum Aufnehmen und Wiedergeben eines Videosignals mit Signalverarbeitung mit Vor- und Nachverzerrung.

Title (fr)

Dispositif d'enregistrement et de reproduction de signaux vidéo avec un traitement de préaccentuation et de désaccentuation.

Publication

**EP 0580144 A2 19940126 (EN)**

Application

**EP 93111678 A 19930721**

Priority

- JP 21559792 A 19920721
- JP 21559892 A 19920721
- JP 21633792 A 19920722

Abstract (en)

A video signal recording and reproducing apparatus comprises a magnetic tape (4) into which video signals are recorded, A preemphasis circuit (35) modifies the video signals prior to the recording into the magnetic tape (4), so as to increase magnitude of high-frequency components with respect to magnitude of low-frequency components. A record start or end identification signal is generated in response to a record start or end signal in an identification signal recording circuit (36) which memorizes this identification signal into a corresponding portion of the magnetic tape (4). A mute circuit (46) resets the preemphasis circuit (35) in response to the record start or end signal. There is further provided a deemphasis circuit (37) for modifying the video signals after reproduction from the magnetic tape (4) in a complementary manner with respect to the preemphasis circuit (35), so as to decrease magnitude of high-frequency components with respect to magnitude of low-frequency components. An identification signal detecting circuit (38) detects the record start or end identification signal from the magnetic tape (4) and generates an identification detecting signal. A mute circuit (49) resets the deemphasis circuit (37) in response to the identification detecting signal. <IMAGE>

IPC 1-7

**H04N 5/92**

IPC 8 full level

**G11B 15/087** (2006.01); **G11B 27/032** (2006.01); **G11B 27/036** (2006.01); **G11B 27/30** (2006.01); **H04N 5/92** (2006.01); **H04N 5/923** (2006.01)

CPC (source: EP)

**G11B 15/087** (2013.01); **G11B 27/032** (2013.01); **G11B 27/036** (2013.01); **G11B 27/3054** (2013.01); **H04N 5/9206** (2013.01); **H04N 5/923** (2013.01); **G11B 2220/90** (2013.01); **H04N 5/9201** (2013.01)

Cited by

EP1427203A4

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0580144 A2 19940126**; **EP 0580144 A3 19940720**; **EP 0580144 B1 19990113**

DOCDB simple family (application)

**EP 93111678 A 19930721**